

In re: Appln No. 09/358,280

Atty Docket: MISTY-52064
6030-021**ALL PENDING CLAIMS AFTER AMENDMENT**

5. (Amended) A misting apparatus for cooling a local area in the vicinity of a person by evaporative cooling, comprising:

a pressurizable container for supplying water;

means for pressurizing the container;

a water conduit having a proximal and distal end, the proximal end connected to the pressurizable container;

a spray nozzle secured to the distal end of the water conduit and in fluid communication with said water conduit, said spray nozzle delivering an evaporative cooling mist of water in the vicinity of a person for cooling the person when pressurized water is supplied to said spray nozzle; and

a restrictive valve having a closed position and an open position, said valve connected to said water conduit for controlling flow of water to said spray nozzle, whereby pressurization of said pressurizable container forces an uninterrupted spray of water from said pressurizable container out through said spray nozzle on said conduit when said restrictive valve is in said open position.

7. The misting apparatus of claim 5, further comprising:

means secured to the misting apparatus for attaching the misting apparatus to a person's waist.

8. The misting apparatus of claim 5, wherein said container further comprises means for sealing said inlet for filling the container.

9. The misting apparatus of claim 5, wherein said means for pressurizing the container comprises a manual piston type pump.

In re: Appln No. 09/358,280

Atty Docker: MISTY-52064
6030-021

10. The misting apparatus of claim 5, wherein said container contains a mixture of ice and water.

11. (Amended) A system for cooling a person, the system comprising:
a pressurizable container for supplying water having a water outlet and an inlet for filling said container;

means for pressurizing the container removably mounted to said inlet of said container to create a seal with said container;

a water conduit extending from said water outlet, said water conduit having a distal end and a proximal end, said proximal end connected to said container;

at least one spray nozzle secured to the distal end of the water conduit and in fluid communication therewith, said spray nozzle delivering an evaporative cooling mist of water in the vicinity of a person when pressurized water is communicated to the spray nozzle;

means for securing the container to the person; and

a valve having a closed position and an open position, said valve for controlling flow of water through said water conduit and connected to said water conduit between said container and said spray nozzle, whereby pressurization of said pressurizable container forces an uninterrupted spray of water from said pressurizable container out through said spray nozzle on said conduit when said restrictive valve is in said open position

12. The system of claim 11, wherein said means for securing the container to the person comprises a belt secured to the container.

15. The misting apparatus of claim 11, wherein said container further comprises means for sealing said inlet for filling the container.

16. The cooling system of claim 11, wherein said means for pressurizing comprises a manual piston type pump.

In re: Appln No. 09/358,280

Atty Docket: MISTY-52064
6030-021

17. The misting apparatus of claim 11, wherein the container contains ice and water.

18. An apparatus for generating an evaporative mist, useful for evaporatively cooling an individual, comprising:

- a pressurizable container for holding fluid for delivery,
- a manual pump physically connected to the pressurizable container,
- a means for delivering fluid as a continuous evaporative mist, and
- a means for controlling the emission of evaporative mist.

19. (Amended) The apparatus for generating an evaporative mist according to claim 18, further comprising:

- a fluid conduit, the conduit being in fluid communication with the means for controlling the emission of evaporative mist and pressurizable container, and

- a means for hands-free directing of the means for delivering fluid as a continuous evaporative mist towards the individual creating an evaporative cooling effect.

20. The apparatus for generating an evaporative mist according to claim 18, further comprising:

- a means for securing the pressurizable container to the individual for hands-free carrying of the apparatus.

21. (Amended) The apparatus for generating an evaporative mist according to claim 18, wherein the means for delivering fluid as a continuous evaporative mist comprises a nozzle having an aperture.

22. (New) The misting apparatus of claim 5, wherein said water conduit comprises a first water conduit within said container and a second water conduit connected to said first water conduit, said second water conduit having a distal end;

In re: Appln No. 09/358,280

Atty Docket: MISTY-52064
6030-021

wherein said spray nozzle is secured to the distal end of the second water conduit and is
in fluid communication with said second water conduit, and

wherein said restrictive valve is connected to said second water conduit.